

Notice of Allowability

Application No.

09/803,903

Applicant(s)

IGARASHI ET AL.

Examiner

Art Unit

Brenda Pham

2664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/13/2001.
2. ☒ The allowed claim(s) is/are 1-28.
3. ☒ The drawings filed on 13 March 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date March 13, 01
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

REASONS FOR ALLOWANCE

1. Claims 1-28 allowed.
2. The following is an examiner's statement of reasons for allowance: The prior art made of record does not teach or fairly suggests a PNNI routing computation system and method comprising the step of when a connection between subscribers is established, the network subscribers send one of the weight values to the ATM exchange. When the ATM exchange receives the weight value, the ATM exchange computes and determines a connection route having the minimum total weight value along the route by using the received weight value.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

(US 6,606,303 B1) Hassel et al in a packet switched network, the link having the lowest cost to a certain destination is obtained. For each link to the destination, the link cost is calculated based on at least two parameters, the link having the lowest link cost is selected. The calculated link costs are stored in a routing table. The parameters used comprise the maximum cell transfer delay (CTD), the peak-to-peak cell delay variation (CDV). An administrative weight (AW) may also be included.

(US 6,256,309 B1) Daley et al discloses a routing scheme generates a selection of precomputed routes that provide a wide range of available bandwidths while keeping delay (e.g., measure by cell transfer delay and cell delay variation), or cost, to a minimum, thus enabling high call rates at an overall lower call blocking rate.

(US 6,600,724 B1, 6, 529,498 B1), Cheng discloses A routing table structure for ATM or other network comprises a shortest path tree architected and organized as a pseudo-spanning tree. The routing table structures provide a selection of pre-computed routes optimized to a specified constraint such as delay and delay variation (e.g., as measured by CTD and CDV), or administrative weight (AW).

(US 6,717,920) Cheng discloses a dynamically created routing table structures which may find application as routing tables for ATM or other computer networks provide a selection of pre-computed routes optimized to a specified constraint such as delay and delay variation (e.g., measured by CTD and CDV), or administrative weight (AW). The routing tables may be implemented as shortest path trees, e.g., as may be generated by a Dijkstra process, which represent the computed routes within the network, optimized to a specified constraint for one or more specified network service categories.

(US 6,094,687) Drake, Jr. et al discloses a system for connecting source nodes and destination nodes regarding efficient quality of services route determination using connection profiles.

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(US 5,933,425) Iwata discloses a in a link state database, relationship between link identifiers of all the network links and their resource constraints represented by quality-of-service parameter values and administrations weights (AW).

Conclusion

4. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Fax to:

(703) 872-9314, (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington VA Sixth Floor (Receptionist)

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brenda Pham whose telephone number is (703) 308-0148. The examiner can normally be reached on Monday-Friday from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin, can be reached on (703) 305-4366.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

August 19, 2004
Brenda Pham


WELLINGTON CHIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600